

## **A CMOS BUFFER WITH REDUCED GROUND BOUNCE**

### **Abstract of the Disclosure**

**[0040]** A CMOS output buffer uses feedback from a ground node to reduce ground bounce by utilizing a tolerable ground bounce limit, making it less sensitive to operating conditions and processing parameters. An input to the NMOS device of the output buffer is provided by the output of a control element which receives a first input from a pre-driver and a second input (i.e., the feedback) from the ground node.